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Education

University of Science & Technology (Ghana)	Crop Science	B.S., 2002
University of Florida	Agronomy	MS., 2007
University of Florida	Soil & Water Science	Ph.D., 2010

Professional Experience

2013-present	Assistant Professor, Ag. Research Center-Hays, Kansas State University
2010-2013	Research Scientist, Department of Plant Science, University of Wyoming
2012-2013	Adjunct Faculty, Eastern Wyoming College, Torrington, WY
2007-2010	Research and Teaching Assistant, Soil & Water Science Department, University of Florida

Research Interests

Soil and nutrient management in dryland cropping systems; tillage, cropping sequence and nutrient management interaction effects on crop productivity, nutrient cycling, carbon sequestration and soil quality; and optimizing oilseed camelina production as biofuel feedstock in cereal-based cropping systems.

Peer Reviewed Publications

- Walsh, M.J., R.W. Groose, **A.K. Obour**, D.A. Claypool, R.H. Delaney and J.M. Krall. 2013. Seed persistence in soil of five medic cultivars in southeastern Wyoming, USA. *Crop Sci.*53:674-678.
- Islam, M.A., **A.K. Obour**, J.M. Krall, J.T. Cecil, and J.J. Nachtman. 2013. Performance of turfgrass under supplemental irrigation and rain-fed conditions in the Central Great Plains of USA. *Grassland Sci.* 59:111-119.
- Islam, M.A., **A.K. Obour**, M.C. Saha, J.J. Nachtman, and R.E. Baumgartner. 2013. Small grains have forage production potential and nutritive value in Central High Plains of Wyoming. *Forage and Grazinglands*. doi:10.1094/FG-2013-0121-02-RS.
- Islam, M.A., **A.K. Obour**, M.C. Saha, J.J. Nachtman, W.K. Cecil, and R.E. Baumgartner. 2013. Grain yield, forage yield, and nutritive value of dual-purpose

small grains in the Central High Plains of USA. Crop Management.
doi:10.1094/CM-2012-0154-RS.

Agyin-Birikorang, S., Y.C. Newman, **A.K. Obour**, and G.N. Kasozi. 2012. Agro-ecological nitrogen management in soils vulnerable to nitrate leaching: a case study in the lower Suwannee watershed. *Nutr. Cycl. Agroecosyst.* 92: 91-105.

Silveira, M.L., **A.K. Obour**, J.M. Vendramini, and L.E. Sollenberger. 2011. Using tissue analysis as a tool to predict bahiagrass phosphorus fertilization requirement. *J. Plant Nutr.* 34:2193-2205.

Obour, A.K., M.L. Silveira, J.M.B. Vendramini, L.E. Sollenberger, G.A. O'Connor, and J.W. Jawitz, 2011. Agronomic and environmental impacts of phosphorus fertilization of low input bahiagrass systems in Florida. *Nutr. Cycl. Agroecosyst.* 89:281-290.

Obour, A.K., J.M.B. Vendramini, M.L. Silveira, L.E. Sollenberger, G.A. O'Connor, and J. Jawitz. 2011. Phosphorus fertilization responses on bahiagrass pastures: forage production and water quality. *Agron. J.* 103:324-330.

Silveira, M.L., **A.K. Obour**, J. Arthington, and L.E. Sollenberger. 2011. The cow-calf industry and water quality in South Florida, USA: a review. *Nutr. Cycl. Agroecosyst.* 89:439-452.

Obour, A.K., M.L. Silveira, J.M.B. Vendramini, J. Jawitz, G.A. O'Connor and L.E. Sollenberger. 2011. A Phosphorus budget for bahiagrass pastures growing on a typical Florida spodosol. *Agron. J.* 103:611-616.

Obour, A.K., M.L. Silveira, J.M.B. Vendramini, L.E. Sollenberger, and G.A. O'Connor. 2011. Fluctuating water table effect on phosphorus release and availability from a Florida spodosol. *Nutr. Cycl. Agroecosyst.* 91:207-217.

Obour, A.K., M.L. Silveira, J.M.B. Vendramini, M.B. Adjei, and L.E. Sollenberger. 2010. Evaluating cattle manure application strategies on phosphorus and nitrogen losses from a Florida spodosol. *Agron. J.* 102:1511-1521.

Obour, A.K., M. L. Silveira, M.B. Adjei, J. M. Vendramini and J. E. Rechcigl. 2009. Cattle manure application strategies effects on bahiagrass yield, nutritive value, and phosphorus recovery. *Agron. J.* 101:1099-1107.

Akromah, R., S.Y.C. Essah and **A.K. Obour**. 2009. Reaction of local and improved cassava germplasm to the African cassava mosaic virus disease. *Crop Res.* 38:219-223.